Box: Non-Fee Amendment
Assistant Commissioner for Patents
Washington, D.C.   20231

<center>**PRELIMINARY AMENDMENT**</center>

Sir:

Applicants respectfully request that the following
amendments provided in accordance with 37 C.F.R. 1.173(b)(2)
be entered for the above-identified reissue application.
Please amend the above-identified patent application as
follows:

IN THE CLAIMS:

Amend claim 1 as follows:

1.   (Amended) A method of inferring engine coolant
temperature in cylinder head temperature sensor equipped
vehicles comprising the steps of:
measuring the cylinder head temperature; and
calculating the engine coolant temperature from the
measured cylinder head temperature as a function of at least
one vehicle operational state[;].
[generating a signal for the calculated engine coolant
temperature; and
sending the generated signal to a display.]

Add claims 19-25 as shown below:

19.   The method according to claim 1, further comprising
the steps of:
generating a signal for the calculated engine coolant
temperature; and
sending the generated signal to a display.

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Reissue of U.S. 6,026,679 (Ser. No. 09/037,508)

20. A method of operating a motor vehicle having an internal combustion engine, comprising:

measuring a cylinder head temperature; and

inferring an engine coolant temperature from the measured cylinder head temperature.

21. The method according to claim 20, further comprising:

generating a signal for the calculated engine coolant temperature; and

sending the generated signal to a display.

22. The method according to claim 21, further including the step of filtering the calculated engine coolant temperature so as to prevent inaccurate display readings resulting from sudden changes in vehicle operational states, the filter step performed prior to the step of generating a signal.

23. The method according to claim 22, further including the step of recording the difference between the measured cylinder head temperature and the filtered engine coolant temperature.

24. A method according to claim 23, further including the step of storing the recorded difference in keep alive memory.

25. A method according to claim 24, further including the steps of:

decaying the difference between the measured cylinder head temperature and the filtered engine coolant temperature as an exponential function of soak time upon vehicle startup;

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generating an initial, startup signal by subtracting the measured cylinder head temperature from the last recorded difference stored in keep alive memory; and

sending an initial, startup signal to the display.

R E M A R K S

Specification:

A copy of the Specification, including claims, for United States Patent No. 6,026,679 (Serial No. 09/037,508) is provided herewith in accordance with 37 CFR 1.173(a)(1). The Specification has not been amended.

Drawings:

A copy of each drawing sheet for United States Patent No. 6,026,679 is provided herewith in accordance with 37 CFR 1.173(a)(2). The drawings have not been amended.
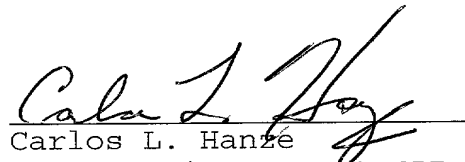
The Claims:

Amended claim 1, original claims 2-18 and new claims 19-25 are pending in the present reissue application. No new matter has been introduced by way of the new and amended claims.

Claim 1 has been amended to remove the steps of "generating a signal for the calculated engine coolant temperature" and "sending the generated signal to a display." Support for amended claim 1, and also new claims 19-25, is found for example in the Specification at Col. 1, lines 9-12, and Col. 3, lines 38-58.

If any further amendment is necessary to advance prosecution and place this case in allowable condition, the Examiner is courteously requested to contact the undersigned by fax or telephone at the number listed below.

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Please charge any cost incurred in the filing of this Preliminary Amendment, along with any other costs, to Deposit Account 06-1510. If there are insufficient funds in this account, please charge the fees to Deposit Account No. 06-1500.

Respectfully submitted,

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Enclosures

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